CLAIM AMENDMENTS

1 - 6. (canceled)

7. (previously presented) A heating element for igniting a pyrotechnic charge comprising a base body, a structured strip shaped resistance layer on said base body, and contact fields overlapping said resistance layer at ends thereof for applying a current pulse to the heating element, ~~wherein~~

the heating element [[has]] having a mass of 1.0×10^{-9} kg to 4.0×10^{-9} kg, a specific resistance of 1×10^{-6} Ωm to 2×10^{-6} Ωm, [[and]] a specific heat capacity of 100 W/(kg.K) to 400 W/(kg·K), and ~~the heating element having~~ a cross sectional area of 3.5×10^{-10} m^2 to 7.0×10^{-10} m^2,

the resistance layer being composed of a sintered Ag/Pd resistance paste or a sintered Ag/Au/Pd resistance paste containing 30 to 50 mass% Ag and 35 to 50 mass % Pd, or a sintered Pt/W resistance paste containing 70 to 90 mass % Pt and 5 to 20 mass% W,

the base body [[is]] being composed of a high-temperature-resistant glass or glass-ceramic or ceramic with a thermal conductivity of at most 2 W/(m·K), and

the contact fields [[are]] being composed of sintered AgPd or AgPt thick-layer conductor paste with Pd or Pt proportions between 1 and 10 mass%.

DP 3-2706

8. (currently amended) A heating element for igniting a pyrotechnic charge comprising

a base body, a structured strip shaped resistance layer on said base body, and contact fields overlapping said resistance layer at ends thereof for applying a current pulse to the heating element, ~~wherein~~

the heating element [[has]] having a mass of 1.0×10^{-9} kg to 4.0×10^{-9} kg, a specific resistance of 1×10^{-6} Ωm to 2×10^{-6} Ωm, [[and]] a specific heat capacity of 100 W/(kg.K) to 400 W/(kg•K), and ~~the heating element having~~ a cross sectional area of 3.5×10^{-10} m^2 to 7.0×10^{-10} m^2,

the resistance layer being composed of a sintered Ag/Pd resistance paste or a sintered Ag/Au/Pd resistance paste containing 30 to 50 mass% Ag and 35 to 50 mass % Pd, or a sintered Pt/W resistance paste containing 70 to 90 mass % Pt and 5 to 20 mass% W,

the base body being composed of a high-temperature-resistant glass or glass-ceramic or ceramic with a thermal conductivity of at most 3 W/(m•K),

a heat barrier being applied to said base body which is comprised of a glass or glass-ceramic layer of a thickness of 20 to 80 μm and a thermal conductivity of at most 1.5 W/(m•K), and

the contact fields being composed of sintered AgPd or AgPt thick-layer conductor paste with Pd or Pt proportions between 1 and 10 mass%.

DP 3-29-06

9 -- 13 (canceled)